

UNITED STATES PATENT OFFICE.

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Floss - Dispense Cap

Background of the Invention:

This invention relates to improvements in floss dispensing devices, and more particularly to a cap for toothpaste containers, serving as a dispenser with special prepared thread or yarn (pH floss and herbal coated yarn known as dental floss) which is used for removal of food particles in between the teeth.

The use of the dental floss dispensers is known in a prior art. The dispensers designs are usual and their configurations are common, the following are found examples:

U.S. Pat. No. 5,076,302 to Chari discloses an apparatus for and method of dispensing dental floss.

U.S. Pat. No. 4,428,389 to Sanchez Cordero discloses a dental floss dispenser adapter to the cap of the common toothpaste.

U.S. Pat. No. Des. 336,782 to Vela et al. Discloses a combined toothbrush, toothpaste dispenser and dental floss holder unit and cover therefor.

U.S. Pat. No. 4,919,156 to Gipson discloses a combination dental device.

U.S. Pat. No. 4,957,125 to Yaneza discloses a toothbrushing assembly.

U.S. Pat. No. 4,827,951 to Grussmark discloses a dental floss and toothpaste container.

U.S. Pat. No. 5,732,722 to David Michael Mortvedt discloses a cap for a toothpaste container having an incorporated spool of dental floss.

The object of the invention is to provide an easy and convenient means of dispensing the floss, along with an adjustable cap for every tube, for fast and natural all-in-one cleaning of the mouth. The object would promote the more general use of the both, floss and paste for every day hygiene.

The primary features of the invention are disclosed in the enclosed drawings, in which -

Figure 1 is a view from a side, of a regular tube of tooth paste with the cap applied;

Figure 2 is an enlarged, detailed view of the cap in cross section; and

Figure 3 is the end view of the cap.

The preferable design of the cap would be hallow and round-body shape, of either a metal suitable for the purpose or plastic. The external design/shape may vary to accommodate to any degree of ornamentation desired.

In general, the cap is made up of internally threaded base portion which screws onto the tube of paste. Above the base portion is a hallow receptacle, with the walls converging to an apex and forming a cavity in which a spool of floss is enclosed. At the apex of the receptacle is a small opening through which the free end of the floss is to be withdrawn as much as needed.

The spool should consist of a circular base plate, in which is mounted a spindle with floss compactly wound around, in such way that it'll be easy and simple to draw floss through the opening.

The constructing method and assembling of the cap is to make the spindle with its base plate separate from the body of the cap, having wound the thread on the spindle, to insert the spool assembly upwardly through the opening at the base of the cap, and the plate of the threaded socket, which forms a the closure for the tube.

These caps could be sold with the tube, or separately, for the complete teeth care. it is approximated that about five yards of thread may be wound onto the spool

I claim as my invention:

1. The combination of the floss and the cap for the tooth paste, with the option for the cap to be sold separately and being adjusted to any tube of tooth paste.
2. The pH or herbal enhanced thread to cleanse the teeth and have a good fresh taste and feeling in the mouth.

This Patent supersedes my provisional patent No. 60-427171.

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